

In claim 2, line 1, delete "the preceding claim" and insert -- claim 1 --; line 3, delete "(302)".

1       3. (Amended) The method according to [any one of the preceding claims] claim 1  
2       wherein the one or plurality of anti-virus requirements further comprise:  
3       •       a list [(301)] of one of a plurality of virus-free certificate authorities to which the  
4        issuer [(202)] of the virus-free certificate must belong.

1       4. (Amended) The method according to [any one of the preceding claims] claim 1  
2       wherein the one or plurality of anti-virus requirements further comprise:  
3           •       a virus-free certificate type [(304)];  
4           •       a virus-free certificate proxy [(305)] that can be used by the file server for  
5                   requesting a virus-free certificate when no virus-free certificate is locally  
6                   available.

1       5. (Amended) The method according to [any one of the preceding claims] claim 1  
2 comprising the further steps of:  
3       If no certificate satisfies the virus-free certificate requirements:  
4       • receiving [(412)] from the file server a list of available virus-free certificates;  
5       if a certificate is accepted by the client system:  
6       • selecting [(413)] from the list an available virus-free certificate for the file;  
7       • downloading [(404)] the file and the selected virus-free certificate[;].

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

1       6. (Amended) The method according to [any one of the preceding claims] claim 1  
2       comprising the further steps of:  
3           if no certificate is accepted by the client system and if the virus-free certificate request  
4           does not comprise a virus-free certificate authority proxy:

5           •       downloading [(406)] the file without virus-free certificate;  
6           •       requesting [(407)] a virus-free certificate to a default virus-free certificate  
7           authority.

1       7. (Amended) A [system, more particularly a] client system [(100)], for carrying out the  
2       method according to [any one of claims 1 to 6] claim 1.

1       9. (Amended) A method, for use in a file server [(101)], for downloading to client system  
2       [(100)] a file and an associated virus-free certificate [(200)] certifying that the file is  
3       virus-free, comprising the steps of :

4           •       receiving [(401)] a request from a client system for a virus-free certificate  
5           associated with a file to download to said client system, said request comprising  
6           one or a plurality of requirements [(301...307)] for said virus-free certificate;  
7           •       downloading [(403)] the file and the associated virus-free certificate, said  
8           virus-free certificate comprising a file signature [(207)] for certifying that the file  
9           is declared virus-free by a virus-free certificate authority [(102)].

1       10. (Amended) The method according to [the preceding] claim 9 wherein the step of  
2       receiving a request from a client system for a virus-free certificate associated with a file to  
3       download to said client system, comprises the further steps of:  
4           •       determining [(402)] whether a virus-free certificate for the file satisfies the  
5           virus-free certificate requirements comprised in the request;

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

6        If a virus-free certificate for the file satisfies the virus-free certificate requirements  
7        comprised in the request:  
8           •        downloading [(403)] the file and the associated virus-free certificate.

1        11. (Amended) The method according to [any one of claims 9 to 10] claim 9 wherein the  
2        step of receiving a request from a client system for a virus-free certificate associated with  
3        a file to download to said client system, comprises the further steps of:

4           •        determining [(400)] whether a virus-free certificate is requested for the file;

5        If no virus-free certificate is requested for the file:

6           •        downloading [(404)] the file without associated virus-free certificate.

1        12. (Amended) The method according to [any one of claims 9 to 11] claim 9 wherein the  
2        step of receiving a request from a client system for a virus-free certificate associated with  
3        a file to download to said client system, comprises the further steps of:

4           •        determining [(402)] whether a virus-free certificate for the file satisfies the  
5                      virus-free certificate requirements comprised in the request;

6        If no virus-free certificate for the file satisfies the virus-free certificate requirements  
7        comprised in the request:

8           •        sending [(412)] a list of available virus-free certificates for this file.

1        13. (Amended) The method according to [the preceding claim] claim 12 wherein the step  
2        of sending a list of available virus-free certificates for this file comprises the further steps  
3        of:

4           •        receiving [(413)] a reply from the client system indicating whether an available  
5                      virus-free certificate is accepted or not;

6        If an available virus-free certificate is accepted by the client system:

7           •        downloading [(404)] the file and the accepted virus-free certificate;

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

8        If no virus-free certificate is accepted by the client system:

9            • determining [(405)] whether a virus-free certificate authority proxy is defined in  
10              the virus-free certificate request;

11        If a virus-free certificate authority proxy is defined in the virus-free certificate request:

12            • requesting [(409)] to this virus-free certificate authority proxy a virus-free  
13              certificate for the file.

1        14. (Amended) The method according to [any one of claims 9 to 13] claim 9 wherein the  
2              one or plurality of virus-free certificate requirements comprise:

3            • a list [(302)] of one or a plurality of anti-virus programs that must have been  
4              executed on the file to download.

1        15. (Amended) The method according to [any one of claims 9 to 14] claim 9 wherein the  
2              one or plurality of anti-virus requirements further comprise:

3            • a list [(301)] of one of a plurality of virus-free certificate authorities to which the  
4              issuer [(202)] of the virus-free certificate must belong;

1        16. (Amended) The method according to [any one of claims 9 to 15] claim 9 wherein the  
2              one or plurality of anti-virus requirements further comprise:

3            • a virus-free certificate type [(304)];  
4            • a virus-free certificate proxy [(305)] that can be used by the file server for  
5              requesting a virus-free certificate when no virus-free certificate is locally  
6              available[;].

1        17. (Amended) A system, more particularly a file server system [(101)], for carrying out  
2              the method according to [claims 9 to 16] claim 9.

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

~~Please add the following new claims:~~

1        19. The method according to claim 2 wherein the one or plurality of anti-virus  
2        requirements further comprise:  
3            • a list of one or a plurality of virus-free certificate authorities to which the issuer of  
4            the virus-free certificate must belong.

1        20. The method according to claim 19 wherein the one or plurality of anti-virus  
2        requirements further comprise:  
3            • a virus-free certificate type;  
4            • a virus-free certificate proxy that can be used by the file server for requesting a  
5            virus-free certificate when no virus-free certificate is locally available.  
*A4  
cont'd*

1        21. The method according to claim 20 comprising the further steps of:  
2        If no certificate satisfies the virus-free certificate requirements:  
3            • receiving from the file server a list of available virus-free certificates;  
4        if a certificate is accepted by the client system:  
5            • selecting from the list an available virus-free certificate for the file;  
6            • downloading the file and the selected virus-free certificate.

1        22. The method according to claim 21 comprising the further steps of:  
2        if no certificate is accepted by the client system and if the virus-free certificate request  
3        does not comprise a virus-free certificate authority proxy:  
4            • downloading the file without virus-free certificate;  
5            • requesting a virus-free certificate to a default virus-free certificate authority.

1        23. A client system for carrying out the method according to claim 22.

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

1        24. The method according to claim 23 wherein the step of receiving a request from a  
2        client system for a virus-free certificate associated with a file to download to said client  
3        system, comprises the further steps of:

4            • determining whether a virus-free certificate is requested for the file;

5        If no virus-free certificate is requested for the file:

6            • downloading the file without associated virus-free certificate.

1        25. The method according to claim 24 wherein the step of receiving a request from a  
2        client system for a virus-free certificate associated with a file to download to said client  
3        system, comprises the further steps of:

4            • determining whether a virus-free certificate for the file satisfies the virus-free  
5            certificate requirements comprised in the request;

6        If no virus-free certificate for the file satisfies the virus-free certificate requirements  
7        comprised in the request:

8            • sending a list of available virus-free certificates for this file.

1        26. The method according to claim 25 wherein the step of sending a list of available  
2        virus-free certificates for this file comprises the further steps of:

3            • receiving a reply from the client system indicating whether an available virus-free  
4            certificate is accepted or not;

5        If an available virus-free certificate is accepted by the client system:

6            • downloading the file and the accepted virus-free certificate;

7        If no virus-free certificate is accepted by the client system:

8            • determining whether a virus-free certificate authority proxy is defined in the  
9            virus-free certificate request;

10      If a virus-free certificate authority proxy is defined in the virus-free certificate request:

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

11        • requesting to this virus-free certificate authority proxy a virus-free certificate for  
12                  the file.

1        27. The method according to claim 26 wherein the one or plurality of virus-free  
2                  certificate requirements comprise:  
3        • a list of one or a plurality of anti-virus programs that must have been executed on  
4                  the file to download.

1        28. The method according to claim 27 wherein the one or plurality of anti-virus  
2                  requirements further comprise:  
3        • a list of one or a plurality of virus-free certificate authorities to which the issuer of  
4                  the virus-free certificate must belong.

1        29. The method according to claim 28 wherein the one or plurality of anti-virus  
2                  requirements further comprise:  
3        • a virus-free certificate type;  
4        • a virus-free certificate proxy that can be used by the file server for requesting a  
5                  virus-free certificate when no virus-free certificate is locally available.

1        30. A file server system for carrying out the method according to claim 29.

1        31. A computer program product for downloading from a file server a file and an  
2                  associated virus-free certificate certifying that the file is virus-free, said computer  
3                  program product comprising a computer usable medium having computer readable  
4                  program code thereon, said computer readable program code comprising:

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

5           computer readable program code means for sending a request to a file server for a  
6       virus-free certificate associated with a file to download from said file server, said request  
7       comprising one or a plurality of requirements for said virus-free certificate;

8           computer readable program code means for downloading the file and the  
9       associated virus-free certificate, said virus-free certificate comprising a file signature for  
10      certifying that the file is declared virus-free by a virus-free certificate authority.

1       32. A computer program product according to claim 31 wherein the one or plurality of  
2       virus-free certificate requirements comprise a list of one or a plurality of anti-virus  
3       programs that must have been executed on the file to download.

1       33. A computer program product for downloading files as in claim 31 wherein the one or  
2       plurality of anti-virus requirements further comprise a list of one or a plurality of  
3       virus-free certificate authorities to which the issuer of the virus-free certificate must  
4       belong.

1       34. A computer program product for downloading files as in claim 31 wherein the one or  
2       plurality of anti-virus requirements further comprise:  
3           a virus-free certificate type;  
4           a virus-free certificate proxy that can be used by the file server for requesting a  
5       virus-free certificate when no virus-free certificate is locally available.

1       35. A computer program product as in claim 31 further comprising:  
2           computer readable program code means for receiving from the file server a list of  
3       available virus-free certificates if no certificate satisfies the virus-free certificate  
4       requirements; and

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

5           computer readable program code means for selecting from the list an available  
6       virus-free certificate for the file and downloading the file and the selected virus-free  
7       certificate, if a certificate is accepted by the client system.

1       36. A computer program product as in claim 31 further comprising:  
2           computer readable program code means for downloading the file without  
3       virus-free certificate and requesting a virus-free certificate to a default virus-free  
4       certificate authority, if no certificate is accepted by the client system and if the virus-free  
5       certificate request does not comprise a virus-free certificate authority proxy.

*AH  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11*  
1       37. A computer program product for downloading from a file server a file and an  
2       associated virus-free certificate certifying that the file is virus-free, said computer  
3       program product comprising a computer usable medium having computer readable  
4       program code thereon, said computer readable program code comprising:

5           computer readable program code means for receiving a request from a client  
6       system for a virus-free certificate associated with a file to download to said client system,  
7       said request comprising one or a plurality of requirements for said virus-free certificate;  
8       and

9           computer readable program code means for downloading the file and the  
10      associated virus-free certificate, said virus-free certificate comprising a file signature for  
11      certifying that the file is declared virus-free by a virus-free certificate authority.

1       38. A computer program product as in claim 37 wherein the computer readable program  
2       code means for receiving a request from a client system for a virus-free certificate  
3       associated with a file to download to said client system, further comprises:

FR9-1999-0112-US1  
PRELIMINARY AMENDMENT

4           computer readable program code means for determining whether a virus-free  
5       certificate for the file satisfies the virus-free certificate requirements comprised in the  
6       request; and

7           computer readable program code means for downloading the file and the  
8       associated virus-free certificate if a virus-free certificate for the file satisfies the virus-free  
9       certificate requirements comprised in the request.

1       39. A computer program product as in claim 37 wherein the computer readable program  
2       code means for receiving a request from a client system for a virus-free certificate  
3       associated with a file to download to said client system, further comprises:

4           computer readable program code means for determining whether a virus-free  
5       certificate is requested for the file; and

6           computer readable program code means for downloading the file without  
7       associated virus-free certificate if no virus-free certificate is requested for the file.

1       40. A computer program product as in claim 37 wherein the computer readable program  
2       code means for receiving a request from a client system for a virus-free certificate  
3       associated with a file to download to said client system, further comprises:

4           computer readable program code means for determining whether a virus-free  
5       certificate for the file satisfies the virus-free certificate requirements comprised in the  
6       request; and,

7           computer readable program code means for sending a list of available virus-free  
8       certificates for this file if no virus-free certificate for the file satisfies the virus-free  
9       certificate requirements comprised in the request.

PRELIMINARY AMENDMENT

1       41. A computer program product as in claim 37 wherein computer readable program  
2       code means for sending a list of available virus-free certificates for this file further  
3       comprises:

4              computer readable program code means for receiving a reply from the client  
5       system indicating whether an available virus-free certificate is accepted or not; and,

6              computer readable program code means for downloading the file and the accepted  
7       virus-free certificate if an available virus-free certificate is accepted by the client system;  
8       and,

9              computer readable program code means for determining whether a virus-free  
10      certificate authority proxy is defined in the virus-free certificate request if no virus-free  
11      certificate is accepted by the client system; and

12             computer readable program code means for requesting to this virus-free certificate  
13      authority proxy a virus-free certificate for the file if a virus-free certificate authority proxy  
14      is defined in the virus-free certificate request.

1       42. A computer program product as in claim 37 wherein the one or plurality of virus-free  
2       certificate requirements comprise a list of one or a plurality of anti-virus programs that  
3       must have been executed on the file to download.

1       43. A computer program product as in claim 37 wherein the one or plurality of anti-virus  
2       requirements further comprise a list of one of a plurality of virus-free certificate  
3       authorities to which the issuer of the virus-free certificate must belong.

1       44. The computer program product as in claim 37 wherein the one or plurality of  
2       anti-virus requirements further comprise:  
3              a virus-free certificate type; and